

MONSANTO

From: G.A. Grundmann CS6G Corporate Engineering (4-6112)

Date: October 11, 1985

cc: D.R. Bowers CS6G

L.V. Bumbicka 1740

Subj: Project Progress Meetings

R.M. Calles CS6G

M.A. Coco Alberici

J. Colling 1740

Re: CEA 3808 - Main South Trunk Sewer

R.J. Geile CS6G

E.R. Hartman CS6G

TO: J.J. Beckerle Alberici\*

P.R. Hoemann 1740

W. Bodine Alberici

L.C. Kreh F2ED

T.N. Carrico 1740\*

F.A. Mayse CS6G

W.C. Koester Alberici

B.W. Stekettee 1740

K.W. Lichtenheld CS6G\*

R.L. Wiese CS6G

C.J. Lotz Alberici\*

R.L. Nelson 1740\*

\*Present at meeting

K.W. Petterson 1740\*

R.C. Martini 1740\*

O.N. Shipley 1740

R. Schlereth Fleischer Seeger\*

R.B. Knoll Fleischer Seeger

Following are minutes of the meeting held at the CED construction trailers on 10/10/85 at 9:30 a.m.

#### 1. Construction Progress

- a. Backfill in progress between manholes 2-BB and 2-CC.
- b. All 42" VCP between manholes 2-AA and 2-BB encased. 60 feet encased between manholes 2-BB and 2-CC.
- c. Excavation in progress east of manhole 2-CC and will start next week on laterals out of manholes 2-AA and 2-BB.
- d. Joints completed in 15" VCP lateral L-64.
- e. The precast section between manholes 1-JJ and 1-D-1 has been assembled and the joints made. Probably test next week.
- f. The last two 42" VCP joints west of manhole 2-CC were hydro tested and did not leak.
- g. Piling is being pulled and driven east of manhole 2-DD.

#### 2. Internal Manhole Work

- a. Manhole 1-AA. Flume bricks ground to insure smooth flow ahead of flume. Pinholes less than 1/8" deep filled. Pinholes deeper than 1/8" drilled out with 1/4" drill and filled. Nelson and Lichtenheld to make a final inspection.

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- b. Manhole 1-BB. Currently installing wall brick. There is some discrepancy in the length of the bricks. Fleischer Seeger will use the 7 3/4" and 7 7/8" brick in all locations as they are in spec. The bricks which are 8" long and beyond the tolerance will be used on the floor where they do not have to be mixed with arch brick.
- c. Manhole 1-CC. The strip mesh is being installed today. The final furan membrane layer will be started on 10/14.
- d. Manhole 1-GG. Currently installing the 2nd asphaltic membrane layer.
- e. Installation of the wall brick will be as follows: The first 2 rows will be stacked. This will allow for the floor deviations. Brick will be cut as necessary so that the top of the 2 rows of bricks is level. (2 rows of brick are required because this means that offset bricks are long enough to cut. Cannot cut smaller piece.)  
  
After this, a running bond will be used for the brick.  
  
All joints are to be 1/8" nominal. No joints should be greater than 3/16".
- f. Bricks will continue to be cut wet. They will be dried by setting on top of a propane heater in the winter or dipping in a powdered water absorption mixture in the warmer weather.
- g. Fleischer Seeger to buy low amperage draw heaters to be compatible with Alberici's electrical cart capabilities. Nelson to get plant safety approval.
- h. Fleischer Seeger will need the next manhole on 10/21.

### 3. Jumper T-3

Still hope to start work around 10/14. The plant turnaround has been delayed until approx. mid-November. The dates are not yet firm. It may be possible to start the manhole work since it will not interfere with the turnaround.

Nelson will review plan this manufacturing the week of 10/14.

### 4. Dept. 245

The culvert pipe has been installed during the shutdown and backfilling is in progress. The railroad tracks will be reinstalled on 10/11/85.

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Dept. 245 will start back up on 10/13 or 10/14.

CED Construction and Alberici personnel did a fine job on this shutdown installation work.

The 4" water line will be reinstalled on Saturday, 10/2/85.

5. ACL Shutdown

- a. This shutdown has been delayed to December. The dates are not yet firm.
- b. The precast pipe sections have been assembled.

6. VCP Joints

- a. Review of the curing time required before testing of the VCP joints was discussed. Monsanto requires that the joints be fully cured in accordance with specifications before testing, whereas Alberici contends that the joints can be tested sooner as stated in the manufacturer's literature. Steketee to write letter clarifying Monsanto's position. This will be the basis of further discussions.

Until resolution is reached, the 2 joints west of manhole 2-CC are not to be encased.

- b. Alberici has submitted a procedure for repair of lateral L-35. Nelson and Lichtenheld reviewing.
- c. Lotz and Petterson to review the furan mixing procedure to insure that the mixing continues to meet the specifications.

7. Miscellaneous

- a. Agreement was reached with Laidlaw and several piles of dirt were hauled to their dump site. All dirt shipments are signed off by Nelson or Quick.

Washing of the rubble on the south side of pile 2 will be done in the near future so it can be hauled to the dump.

- b. A new option has been offered to resolve the manhole 2-FF situation and that is to go to manhole 2-H. Petterson to get inverts. Nelson to review condition of manhole. Alberici to determine credit for deletion of manhole 2-FF and pipe run to 2-CC.
- c. The epoxy injection procedure for repairing the hairline crack in manhole 1-EE was reviewed and approved. Alberici to execute ASAP.

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- d. Crain needs to furnish electrical power supply data to sample house. Crain also needs to furnish flume data to field on levelness required for flume installation, etc.
- e. The large pieces of rock and asphalt are to be removed from the dirt prior to backfilling. Martini and Alberici to determine on an ongoing basis the cost distribution since both parties are responsible for some of the rubble in the dirt.
- f. The ACL SO<sub>2</sub> facilities are back to normal. The final work in progress is the repair of some asphalt and concrete.
- g. Alberici to furnish information on construction options in reference to Steketee's letter of 9/12/85.

The next progress meeting will be held on Thursday, October 17 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.

  
Gordon Grundmann

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